**Index of Claims** 

| <b>Application/Control No.</b> | Appli | cation | (Control | No. |
|--------------------------------|-------|--------|----------|-----|
|--------------------------------|-------|--------|----------|-----|

10/809,797 Examiner

Applicant(s)/Patent under Reexamination

OHKI ET AL.

Art Unit

Marcus Charles

3682

Rejected Allowed

(Through numeral)
Cancelled ÷

Restricted

Non-Elected N Interference

Appeal 0 Objected

| Cla       | im                         | _       | Date  |           |                       |          |          |          |  | $\Box$          |
|-----------|----------------------------|---------|---|-----------|-----------------------|----------|----------|----------|--|-----------------|
| Final     | Original                   | 5/16/07 | 11/23/07  |           |                       |          |          |          |  |                 |
|           | 1                          | 1       | J   | _         | $\vdash$              | _        | Н        |          |  | $\dashv$        |
| <b></b> - | 2                          | 777     | \<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\ |           |                       | Т        |          |          | -  |                 |
|           | 3 4                        | 1       | ~   |           |                       |          |          |          |  |                 |
|           | 4                          | V       | V   |           |                       |          |          |          |  |                 |
|           | 5                          | 1       | V   |           |                       |          |          |          |  |                 |
|           | 6                          | 1       | V   |           |                       |          |          |          |  | $\Box$          |
|           | 7                          | ٧       | V   | _         | _                     | _        | _        |          |  | $\Box$          |
|           | 8                          | ٧       | <b>Y</b>  | <u></u>   | _                     | _        | <u> </u> |          |  | Н               |
|           | 9                          | 1       | Ш.  | <u> </u>  | <u> </u>              | ┡        | ╙        | _        |  | Н               |
|           | 10                         | 1       | ₩   | <b>—</b>  | ├-                    | ⊢        | ├-       | _        |  | $\dashv$        |
|           | 11                         | 7       | ╫   | -         | $\vdash$              | $\vdash$ | $\vdash$ | -        | -  | $\vdash \vdash$ |
| _         | 12                         | V       | ╫╌  | ┝         | $\vdash$              | $\vdash$ | ╁        | -        | -  | $\dashv$        |
|           | 11<br>12<br>13<br>14<br>15 | V       | #-  | -         | $\vdash$              | $\vdash$ | +-       |          | <del>                                     </del> | H               |
|           | 15                         | V       | V   | Н         | $\vdash$              | ╁        | T        | $\vdash$ | <del>                                     </del> | Н               |
| $\vdash$  | 16                         | ₹       | ۲Ť  | Т         |                       | T        | Т        | Т        |  | H               |
|           | 16<br>17                   | 1       | T   |           |                       | Т        |          | Г        |  | П               |
|           | 18<br>19                   | 1       | 1   |           |                       |          |          |          |  |                 |
|           | 19                         |         | $\coprod$   |           |                       |          |          |          |  |                 |
|           | 20                         | V       | П   |           |                       | ŀ        |          |          |  |                 |
|           | 21<br>22                   | 1       | Ш   | L         |                       | 上        |          |          | _  | Ш               |
| <u> </u>  | 22                         | ٧       | 11  | <u> </u>  | ↓_                    | ┺        | ╄        | ┞-       | <u> </u>   | Н               |
| <u> </u>  | 23<br>24<br>25             | V       | Ц,  | ┞-        | ļ                     | ↓_       | $\vdash$ | ┡        | ╙  | Н               |
| <u> </u>  | 24                         | V       | 1   | ┡         | ⊢                     | ╄        | ╀        | -        | <del>  -</del>                                   | -               |
| -         | 25                         | ┼       | ╂-  | ╄         | ╀                     | ┼-       | ┼-       | ┢        | ├-   | $\vdash$        |
| -         | 26<br>27                   | ╁       | ╀   | ╁         | ╁                     | ╫        | ╁╴       | -        | $\vdash$   | Н               |
| <u> </u>  | 28                         | ╁       | +   | ╁╌        | ╁                     | ╁        | ╁        | ┼        | -  | Н               |
| -         | 28<br>29<br>30             | ╁╴      | ╁   | ╀╌        | ╁                     | +        | ╁╌       | ╁        | t  | Н               |
|           | 30                         | +-      | 十   | +         | T                     | +        | 1        | $t^-$    | 一  | Н               |
|           | 31                         | T       | $\top$  | T         | T                     | T        | 1        |          | 1  | П               |
|           | 31<br>32                   | 1       | 1   |           | Ī                     | Τ        |          |          | Г  |                 |
|           | 33                         | Ι       | $\Gamma$  | Ι         |                       | Ι        |          |          |  |                 |
|           | 34                         | I       |   | L         | $oxedsymbol{\square}$ | I        | 匚        | 厂        | Ĺ  | Ш               |
|           | 35                         | L       | $\perp$   | $\perp$   |                       | $\perp$  | $\perp$  | ┺        | 1_   | Ш               |
| _         | 36                         | $\perp$ | 4   | 1         | 1                     | +        | 4        | ╀-       | 1  | $\vdash$        |
| $\vdash$  | 37                         | +       | +-  | ╁-        | +                     | +        | +-       | +        | +  | $\vdash$        |
| $\vdash$  | 38                         | +       | +   | +         | ╁╌                    | +        | +        | $\vdash$ | ╁  | $\vdash$        |
| -         | 39<br>40                   | ╁       | +   | +         | ╁                     | +-       | +        | ╁╌       | +-   | $\vdash$        |
| $\vdash$  | 44                         | ╁       | +   | ╁         | +                     | +        | +        | +        | ╁  | $\vdash$        |
| <b></b>   | 41                         | +-      | +   | +-        | 十                     | +        | +        | ╁        | ╁  | H               |
| <u> </u>  | 43                         | T       | +   | $\dagger$ | $\dagger$             | T        | +        | †-       | T  | П               |
|           | 44                         | T       | $\top$  | T         | T                     | T        | $\top$   | 1        | T  | $\Box$          |
|           | 45                         | 1       | T   |           |                       | Ī        |          | I        | Γ  |                 |
|           | 46                         | Ι       |   | I         | Ι                     | Ι        | $\perp$  | L        |  |                 |
|           | 47                         | Ι       | Ι   | Γ         | Ι                     | L        |          |          |  |                 |
|           | 48                         | I       | I   | I         | $\perp$               | L        |          |          |  | 1               |
|           | 49                         |         | Ţ   | L         | $\perp$               | F        | $\perp$  | 1        | $\perp$  | _               |
|           | 50                         |         | L   |           | 1                     |          |          |          |  | 1               |

| Cla  | im                         | Date           |          |                |              |          |              |  | ĺ  |          |     |
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| ā  | Original                   |                |          |                |              |          |              | - 1  |  |          | ١.  |
| Final  | ij                         |                | Ì        |                |              |          |              |  |  |          | l   |
|  | 0                          | İ              |          |                |              |          |              | 1  |  |          |     |
| _  | 51                         |                |          |                |              |          |              |  |  |          |     |
|  | 52                         |                |          |                |              |          |              |  |  |          |     |
|  | 53                         |                |          |                |              |          |              |  |  |          |     |
|  | 53<br>54                   |                |          |                |              |          | Ш            | _  |  |          | ١   |
|  | 55                         |                |          |                | L            |          | Ш            |  |  |          | 1   |
|  | 56<br>57                   | _              | ·        |                | _            | <u> </u> | Ш            | _  |  |          | 1   |
|  | 57                         | _              | $\Box$   |                | _            | ╙        | Щ            | _  |  |          | Į   |
|  | 58                         | 4              |          | _              |              | <u> </u> | Ш            |  |  | _        | 1   |
|  | 59                         | _              | .        | _              | $\vdash$     | <u> </u> |              | $\Box$   |  |          | ļ   |
|  | 60                         | _              |          |                | ⊢            | <u> </u> | L            | Щ  | _  | -        | ł   |
|  | 61                         | $\dashv$       |          | _              | <del> </del> | -        | ┞-           | _  | <u> </u>                                     | -        | ļ   |
|  | 62                         | -              |          | _              | ⊢            | $\vdash$ | $\vdash$     |  | _  | ├-       | 1   |
|  | 63                         | -              |          | -              |              | $\vdash$ | $\vdash$     |  | <u> </u>                                     | -        | 1   |
|  | 64<br>65                   | $\dashv$       | _        | -              | -            | -        | -            | $\vdash$   | _  | $\vdash$ | 1   |
|  | 66                         | $\dashv$       | _        | -              | -            | $\vdash$ |              | Н  | -  | -        | 1   |
|  | 66<br>67                   | $\dashv$       |          | ⊢              | ┢─           | ├        |              | H  | -  | ⊢        | 1   |
|  | 60                         | $\dashv$       | _        | ├              | ╁            | -        | ╁╌           | $\vdash$   |  | ╁        | 1   |
|  | 68<br>69                   | $\dashv$       |          | ┝╌             | ╁╌           | ┢        | ╁╾           | -  | _  | ┢        | 1   |
|  | 70                         | $\dashv$       | _        |                | -            | 1        | <del> </del> | <del>                                     </del> | _  | 1        | 1   |
|  | 71                         |                | _        | $\vdash$       | ┼┈           | ╁╴       | 1            |  | $\vdash$                                     | ┢        | 1   |
| $\vdash$   | 71<br>72<br>73<br>74<br>75 |                |          | $\vdash$       | ╁            | T        | $\vdash$     |  | _  | T        | 1   |
| <del>                                     </del> | 73                         | П              |          | H              | 1            | T        | Г            |  | _  | П        | 1   |
|  | 74                         |                |          | $\vdash$       | T            | Т        | T            |  | Г  | $\vdash$ | 1   |
|  | 75                         |                |          | 1              | T            |          |              |  | Г  |          | 1   |
|  | 76<br>77                   |                |          |                |              |          |              |  |  |          | ]   |
|  | 77                         |                |          |                |              |          |              |  | L  |          | ]   |
|  | 78<br>79                   |                |          | L              | L            |          | _            |  | 匚  | 乚        | 1   |
|  | 79                         |                |          |                |              | _        | L            | <u>_</u>   | L  | <u> </u> | 1   |
|  | 80                         | Щ              | L.       | <u> </u> _     | ┖            | L        | $\perp$      | L_   | ┖  | <u> </u> | 1   |
|  | 81                         |                | _        | ┡              | ┺            | ↓_       | _            | _  | <u>                                     </u> | ļ_       | 4   |
|  | 82                         |                |          | <del> </del> _ | ↓_           | ╄        | _            | <u> </u>   | ⊢  | ╄        | 4   |
| <u> </u>   | 83                         | $\vdash$       | _        | ╀              | +-           | ┼        | ╁            | -  | $\vdash$                                     | ├        | 4   |
|  | 84                         | $\vdash\vdash$ |          | -              | +            | +        | +            | ⊢  | +  | ╁        | +   |
| ├  | 85<br>86                   | H              | -        | ╁╌             | +            | ╁        | +-           | 1  | 1  | +        | +   |
| $\vdash$   | 87                         | $\vdash$       | _        | ╁              | +            | +-       | +            | $\vdash$   | +  | +        | ┨   |
| <u> </u>   | 88                         | $\vdash$       |          | +              | +            | +        | +            | <del>                                     </del> | T  |          | 1   |
| $\vdash$   | 89                         | $\vdash$       | $\vdash$ | t              | +-           | +        | 1            | <del>                                     </del> | T  | T        | 1   |
| $\vdash$   | 90                         | $\vdash$       |          | T              | $\top$       | T        | T            | $\vdash$   |  | T        | 1   |
|  | 91                         |                | Г        | T              | T            | T        | $\top$       | Г  |  | Τ        | 1   |
|  | 92                         |                | Ι_       | T              | T            | Τ        | I            |  |  | Ι        | ]   |
|  | 93                         | Ī              |          | Ĺ              | I            |          |              |  |  |          | ]   |
|  | 94                         |                |          |                |              | L        |              |  |  |          | ]   |
|  | 95                         |                |          | Γ              | I            | Γ        |              |  | $\Box$                                       | L        |     |
|  | 96                         | $\Box$         | 匚        |                |              | $\Gamma$ | L            |  | _  | L        | 1   |
|  | 97                         |                |          | $\prod$        | L            |          |              | _  | ┖  | L        | ┛   |
|  | 98                         | ļ              | _        | $\perp$        | 1            | ╄        | _            | ┖  | $\perp$                                      | 1        | 4   |
|  | 99                         | <u> </u>       | <u> </u> | 4              | 4_           | +        | +            | $\perp$  | ╀  | +        | 4   |
|  | 100                        | 1              |          |                |              | 1        |              | 1  | 1  |          | - 1 |

| Cla        | aim                      | Date     |  |          |          |  |          |          |          |          |
|------------|--------------------------|----------|--|----------|----------|--|----------|----------|----------|----------|
|            |                          |          |  |          |          |  |          |          |          | 7        |
| Final      | Original                 |          |  | 1        |          | 1                                      |          | į        | ì        | - 1      |
| ίĒ         | )ric                     |          |  |          |          |  |          |          | - 1      |          |
|            | 1                        |          |  |          | L        |  | Ш        | _        | _        | _        |
|            | 101<br>102               |          | $\perp$  |          | <u> </u> | <u> </u>                               | Ш        |          | _        | 4        |
|            | 102                      |          |  | 匚        | L_       | <u> </u>                               |          |          | $\dashv$ | 4        |
|            | 103                      |          | _  | <u> </u> | _        | ┞                                      |          | _        | -        | 4        |
|            | 103<br>104<br>105        | _        | _  | _        | <u> </u> | <b>!</b> —                             | -        | -        |          | 4        |
| <u> </u>   | 105                      | _        | _  | <u> </u> | ┡        | <del> </del> —                         | $\vdash$ | -        | $\dashv$ | -        |
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| _          | 107                      | H        | <del> </del> —                                   | ⊢        | -        | ┢                                      | ⊢        |          | $\vdash$ | $\dashv$ |
| <u> </u>   | 108                      | ├        | ⊢  | ⊢        | -        | -                                      | $\vdash$ | H        | $\vdash$ | ᅱ        |
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| -          | 114                      | $\vdash$ | ✝  | ┼─       | +        | t                                      | $\vdash$ | $\vdash$ | Н        | $\dashv$ |
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| -          | 116                      | -        | ╁╴   | $\vdash$ | ╁        | $\vdash$                               | +        | $\vdash$ | $\vdash$ | Н        |
| $\vdash$   | 117                      | $t^-$    | <del>                                     </del> | 1        |          | †                                      | T        | Г        |          | $\dashv$ |
| -          | 118                      |          | ✝  | +-       | T        | †                                      | T        | Т        |          | $\sqcap$ |
| <u> </u>   | 119                      | $\vdash$ | 1  | 1        | 1        | ╁                                      |          |          | Г        | П        |
| H          | 120                      | T        | 1  | T        | 1        | T                                      |          | Γ        |          |          |
| $\vdash$   | 121                      | Т        | 1  |          |          |  |          |          |          |          |
|            | 121<br>122               | Γ        | T  | T        |          | Т                                      |          |          |          |          |
|            | 123                      |          |  | T        |          |  |          | L        | L        | Ш        |
|            | 124<br>125               |          |  |          |          |  |          | L        | _        | Ц        |
|            | 125                      |          |  | L        | _        | 上                                      | _        | 1_       | _        | Ц        |
|            | 126<br>127<br>128        | <u>L</u> | L  | <u> </u> | ↓_       | ┺                                      | <u> </u> | _        | _        | Ц        |
| <u> </u>   | 127                      | <u> </u> | Ļ  | <u> </u> | ↓_       | ╀                                      | ╄        | $\vdash$ | <b> </b> | Н        |
|            | 128                      | ╄-       | 1_   | ↓_       | ╄        | ╄-                                     | +        | ⊢        | ┝        | -        |
| <u> </u>   | 129<br>130               | ↓_       | ┡  | ╀        | ╄        | ╀                                      | ╀        | ╀╌       | ├        | Н        |
|            | 130                      | ╀        | ╀  | ╀╌       | ╀        | ╀                                      | ┿        | ⊢        | ├        | Н        |
| <u> </u>   | 131                      | ╄        | ╂  | ╀        | ╁╼       | ╀                                      | ╁        | ╁        | ┝        | Н        |
|            | 132                      | ╁╌       | ╀  | ╀        | ╁        | +-                                     | ╁        | ╁╌       | -        | Н        |
|            | 131<br>132<br>133<br>134 | +        | ╁  | +        | +-       | ╁                                      | +        | +        | $\vdash$ | Н        |
| -          | 135                      | +-       | +  | +        | +        | +                                      | 十        | $t^-$    | Н        | Н        |
|            | 136                      | +        | +  | 十        | $^{+}$   | T                                      | +        | 1        | 1        | Н        |
| $\vdash$   | 136<br>137               | T        | 十  | +        | $\top$   | 十                                      | 1        | 1        | T        | П        |
|            | 138                      | T        | T  | Τ        | $\top$   | 1                                      |          |          |          |          |
|            | 139                      | 1        | 1  |          | T        | I                                      | I        |          |          |          |
|            | 140                      | T        |  | I        | I        | $\mathbf{I}_{-}$                       | L        |          |          |          |
|            | 141                      | $\perp$  | Ι  | L        |          | Ι                                      | oxdot    |          | $\Box$   | П        |
|            | 142                      | oxdot    | L  |          | Γ        |  | $\Box$   |          | $\Box$   | П        |
|            | 143                      |          | $\Box$   | $\perp$  |          | L                                      | $\perp$  | 1        | 1        | Ш        |
|            | 144                      | L        | L  | L        | 1        | $\perp$                                | $\perp$  | 1_       | ↓        | Ш        |
|            | 145                      | L        | $\perp$  | 1_       | 4_       | 4                                      | 1        | ┺        | ┡        | Ш        |
| <u></u>    | 146                      | 1_       | $\perp$  | 4        | 4-       | 4                                      | +        | ╄        | 1        | $\vdash$ |
| $\vdash$   | 147                      | $\perp$  | ↓_   | 4        | +        | +                                      | +        | $\vdash$ | ┼        | Н        |
| <b>├</b>   | 148                      | -        | +  | +        | +-       | +                                      | +        | ╀        | ╀        | $\vdash$ |
| -          | 149                      | +-       | +  | +        | ╁        | ╁                                      | +-       | +        | Η÷       | $\vdash$ |
| L          | 150                      |          | ١.   |          |          | _ـــــــــــــــــــــــــــــــــــــ | 丄        |          | 1        |          |